Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/29/2021 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124480	-1	1.08	124374	1.08
Blue	F	SSC	125000	123443	-2	2.28	123803	2.11
Blue	E	FITC	13131	12685	-4	2.15	293	15.04
Blue	D	PE	24112	23846	-2	1.49	548	10.73
Blue	B	PerCP-Cy5-5	31295	30756	-2	2.90	1018	14.43
Blue	A	PE-Cy7	19939	19699	-2	5.11	528	28.62
Red	C	APC	42122	41309	-2	2.83	1728	11.20
Red	A	APC-Cy7	22340	21860	-3	3.12	816	11.52
Violet	B	V450	7410	7069	-5	3.59	427	12.64
Violet	A	V500	28118	27125	-4	3.18	677	10.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23197	0.91	566	-3	N/A	N/A	Pass
Blue	F	SSC	57453	0.99	517	5	N/A	N/A	Pass
Blue	E	FITC	53	54.62	485	-2	0.0472	151	Pass
Blue	D	PE	114	36.61	488	0	0.3949	276	Pass
Blue	B	PerCP-Cy5-5	189	35.41	584	-2	0.0200	57	Pass
Blue	A	PE-Cy7	106	67.21	626	-2	0.0228	3	Pass
Red	C	APC	400	23.50	576	0	0.0290	178	Pass
Red	A	APC-Cy7	184	26.51	551	0	0.0063	711	Pass
Violet	B	V450	60	67.39	453	0	0.0762	3526	Pass
Violet	A	V500	98	36.65	465	0	0.0248	1125	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.93	-31.68	1.10
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.39	13.60 - 20.40	N/A	N/A	30.04	30.27	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11627

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments